Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
NEWS 18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS 19	JAN 25	Annual Reload of MEDLINE database
NEWS 20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS 21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS 22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS 24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

```
 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  products is prohibited and may result in loss of user privileges
  and other penalties.

* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:11:06 ON 16 MAR 2010

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.22       0.22

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:11:23 ON 16 MAR 2010

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
  * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'HOME' AT 08:46:24 ON 16 MAR 2010
FILE 'HOME' ENTERED AT 08:46:24 ON 16 MAR 2010

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.22       0.22

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     1.10       1.10

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 16 MAR 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:   15 MAR 2010  HIGHEST RN 1210111-73-1
DICTIONARY FILE UPDATES:  15 MAR 2010  HIGHEST RN 1210111-73-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.
```
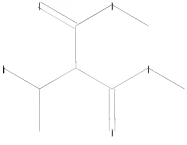

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

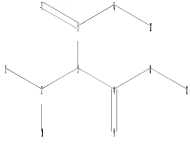
  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10588286\10588286 core intermediate.str





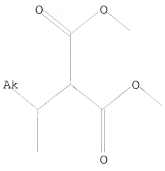
chain nodes :
1 2 3 4 5 6 7 8 9 10 12 13
chain bonds :
1-2 2-3 2-10 3-4 3-5 4-8 4-9 5-6 5-7 6-12 8-13
exact/norm bonds :
1-2 4-8 4-9 5-6 5-7 6-12 8-13
exact bonds :
2-3 2-10 3-4 3-5

Hydrogen count :
2:>= minimum 1 3:>= minimum 1 10:>= minimum 3
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 12:CLASS 13:CLASS
Generic attributes :
1:
Saturation   : Saturated

Element Count :
Node 1: Limited
    C,C2-6

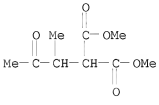
L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR

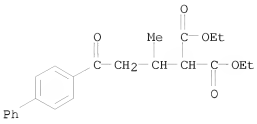


Structure attributes must be viewed using STN Express query preparation.

```
=> search l1 sss sam
SAMPLE SEARCH INITIATED 08:49:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     9296 TO ITERATE

 21.5% PROCESSED     2000 ITERATIONS                                3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       180140 TO   191700
PROJECTED ANSWERS:              54 TO      502

L2            3 SEA SSS SAM L1

=> d scan

L2   3 ANSWERS   REGISTRY  COPYRIGHT 2010 ACS on STN
IN   Propanedioic acid, 2-(1-methyl-2-oxopropyl)-, 1,3-dimethyl ester
MF   C9 H14 O5
```

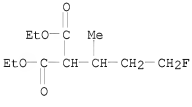



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L2   3 ANSWERS   REGISTRY  COPYRIGHT 2010 ACS on STN
IN   Propanedioic acid, 2-(3-[1,1'-biphenyl]-4-yl-1-methyl-3-oxopropyl)-,
     1,3-diethyl ester
MF   C23 H26 O5
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 3 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-(3-fluoro-1-methylpropyl)-, 1,3-diethyl ester
MF C11 H19 F O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> save temp rawmalon8s/a
ENTER L#, L# RANGE, ALL, OR (END):12
ANSWER SET L2 HAS BEEN SAVED AS 'RAWMALON8S/A'

=> search l1 sss full
FULL SEARCH INITIATED 08:51:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 182998 TO ITERATE

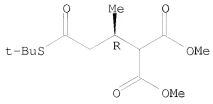
100.0% PROCESSED 182998 ITERATIONS 274 ANSWERS
SEARCH TIME: 00.00.02

L3 274 SEA SSS FUL L1

=> d scan

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[(1R)-3-[(1,1-dimethylethyl)thio]-1-methyl-3-
    oxopropyl]-, 1,3-dimethyl ester
MF C13 H22 O5 S

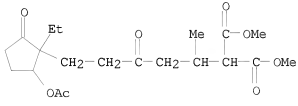
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

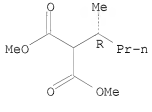
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[5-[2-(acetyloxy)-1-ethyl-5-oxocyclopentyl]-1-methyl-3-oxopentyl]-, 1,3-dimethyl ester
MF C20 H30 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

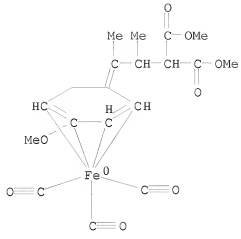
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[(1R)-1-methylbutyl]-, 1,3-dimethyl ester
MF C10 H18 O4

Absolute stereochemistry.



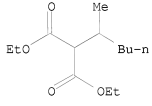
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Iron, tricarbonyl[dimethyl [2-[(2,3,4,5-η)-4-methoxy-2,4-cyclohexadien-1-ylidene]-1-methylpropyl]propanedioate]-, stereoisomer (9CI)
MF C19 H22 Fe O8
CI CCS



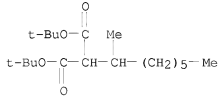
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, (1-methylpentyl)-, diethyl ester, (-)- (9CI)
MF C13 H24 O4

Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C19 H36 O4

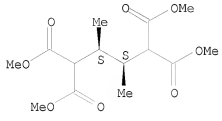


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN 1,1,4,4-Butanetetracarboxylic acid, 2,3-dimethyl-, tetramethyl ester, (R*,R*)- (9CI)
MF C14 H22 O8

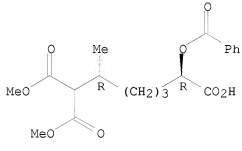
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

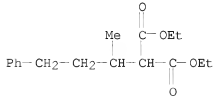
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1,1,6-Hexanetricarboxylic acid, 6-(benzoyloxy)-2-methyl-, 1,1-dimethyl ester, [R-(R*,R*)]- (9CI)
MF C19 H24 O8

Absolute stereochemistry.



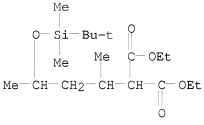
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C17 H24 O4



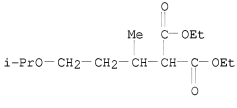
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[3-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-1-methylbutyl]-, 1,3-diethyl ester
MF C18 H36 O5 Si



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[1-methyl-3-(1-methylethoxy)propyl]-, 1,3-diethyl ester
MF C14 H26 O5

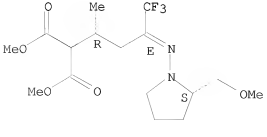


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

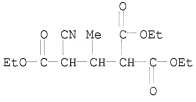
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[(1R,3E)-4,4,4-trifluoro-3-[[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]imino]-1-methylbutyl]-, 1,3-dimethyl ester
MF C16 H25 F3 N2 O5

Absolute stereochemistry.
Double bond geometry as shown.



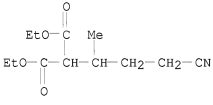
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 2,2,4-Pentanetricarboxylic acid, 4-cyano-3-methyl-, 1,2,4-triethyl ester
MF C14 H21 N O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

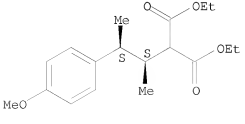
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-(3-cyano-1-methylpropyl)-, 1,3-diethyl ester
MF C12 H19 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[(1R,2R)-2-(4-methoxyphenyl)-1-methylpropyl]-,
    1,3-diethyl ester, rel-
MF C18 H26 O5

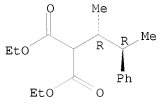
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

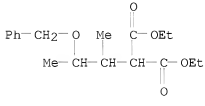
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, [(1R,2R)-1-methyl-2-phenylpropyl]-, diethyl ester, rel-
(9CI)
MF C17 H24 O4

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

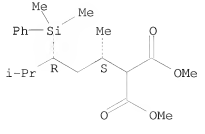
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[1-methyl-2-(phenylmethoxy)propyl]-, 1,3-diethyl
ester
MF C18 H26 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

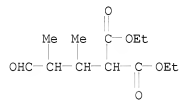
L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-[(1R,3S)-3-(dimethylphenylsilyl)-1,4-dimethylpentyl]-
, 1,3-dimethyl ester, rel-
MF C20 H32 O4 Si

Relative stereochemistry.



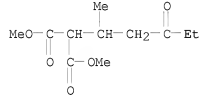
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-(1,2-dimethyl-3-oxopropyl)-, 1,3-diethyl ester
MF C12 H20 O5



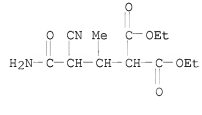
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-(1-methyl-3-oxopentyl)-, 1,3-dimethyl ester
MF C11 H18 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 274 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Propanedioic acid, 2-(3-amino-2-cyano-1-methyl-3-oxopropyl)-, 1,3-diethyl
    ester
MF C12 H18 N2 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

```
=> save temp l3 rawmalon8s/a
'RAWMALON8S/A' IN USE
A single name cannot be used for two saved items at the same time.
Enter "Y" if you wish to replace the current saved name with a new
definition.  Enter "N" if the current saved definition must be
preserved.  You may then reenter the SAVE command with a different
saved name.  Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a
list of your currently defined saved names.
REPLACE OLD DEFINITION? Y/(N):y
ANSWER SET L3 HAS BEEN SAVED AS 'RAWMALON8S/A'

=> e diethylmalonate/a
'A' IS NOT A VALID EXPAND FIELD CODE FOR FILE 'REGISTRY'
The indicated field code is not available for EXPAND in this
file.  To see a list of valid EXPAND field codes, enter HELP
SFIELDS at an arrow prompt (=>).

=> e diethylmalonate/cn
E1            1     DIETHYLMALEIC ANHYDRIDE/CN
E2            1     DIETHYLMALEIMIDE/CN
E3            0 --> DIETHYLMALONATE/CN
E4            1     DIETHYLMALONATE-FORMALDEHYDE-2,2'-(ISOPROPYLIDENEBIS(P-PHENY
                    LENEOXY))DIETHANOL COPOLYMER/CN
E5            1     DIETHYLMALONIC ACID/CN
E6            1     DIETHYLMALONIC ACID DIAMIDE/CN
E7            1     DIETHYLMALONIC ACID DICHLORIDE/CN
E8            1     DIETHYLMALONIC ACID DIETHYL ESTER/CN
E9            1     DIETHYLMALONODINITRILE/CN
E10           1     DIETHYLMALONOHYDRAZIDE/CN
E11           1     DIETHYLMALONONITRILE/CN
E12           1     DIETHYLMALONURIC ACID/CN

=> e diethyl malonate/cn
E1            1     DIETHYL MALEATE-VINYL CHLORIDE COPOLYMER/CN
E2            1     DIETHYL MALEATE-VINYL CHLORIDE POLYMER/CN
E3            1 --> DIETHYL MALONATE/CN
E4            1     DIETHYL MALONATE ANION/CN
E5            1     DIETHYL MALONATE BARIUM SALT/CN
E6            1     DIETHYL MALONATE CALCIUM SALT/CN
E7            1     DIETHYL MALONATE ETHOXYMAGNESIUM SALT/CN
E8            1     DIETHYL MALONATE LITHIUM SALT/CN
E9            1     DIETHYL MALONATE SODIUM SALT/CN
E10           1     DIETHYL MALONATE-1,2,3-13C/CN
E11           1     DIETHYL MALONATE-1,2-13C/CN
E12           1     DIETHYL MALONATE-1,3-14C/CN

=> e3
L4            1 "DIETHYL MALONATE"/CN

=> e dimethyl malonate/cn
E1            1     DIMETHYL MALEIC ANHYDRIDE-VINYLPYRROLIDINE COPOLYMER/CN
E2            1     DIMETHYL MALEIMIDOMETHYLPHOSPHONATE/CN
E3            1 --> DIMETHYL MALONATE/CN
E4            1     DIMETHYL MALONATE ANION/CN
E5            1     DIMETHYL MALONATE ION(1-)/CN
E6            1     DIMETHYL MALONATE LITHIUM SALT/CN
E7            1     DIMETHYL MALONATE POTASSIUM SALT/CN
E8            1     DIMETHYL MALONATE SODIUM SALT/CN
E9            1     DIMETHYL MALONATE(1-)/CN
E10           1     DIMETHYL MALONATE-1,1'-(1,2-ETHANEDIYL)BIS(2,2,6,6-TETRAMETH
                    YL-4-PIPERIDINOL) COPOLYMER/CN
E11           1     DIMETHYL MALONATE-1,1'-(1,2-ETHANEDIYL)BIS(2,2,6,6-TETRAMETH
```

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                    YL-4-PIPERIDINOL) COPOLYMER, SRU/CN
E12          1      DIMETHYL MALONATE-1,3-PROPANEDIOL COPOLYMER/CN

=> e3
L5           1 "DIMETHYL MALONATE"/CN

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                                                      ENTRY    SESSION
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=> l5
L9          5175 L5

=> l8 or l9
L10        14701 L8 OR L9

=> l6 and l10
L11          129 L6 AND L10
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=> optical?
L12    1242311 OPTICAL?

=> l11 and l12
L13          6 L11 AND L12

=> d l13 1-6 ti fbib abs

L13  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2010 ACS on STN
TI   Process for preparation of chiral β-bis-substituted aldehydes
AN   2008:843167  CAPLUS
DN   149:200322
TI   Process for preparation of chiral β-bis-substituted aldehydes
IN   Ma, Dawei; Ma, Anqi
PA   Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences,
     Peop. Rep. China
SO   Faming Zhuanli Shenqing Gongkai Shuomingshu, 14pp.
     CODEN: CNXXEV
DT   Patent
LA   Chinese
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   CN 101215236         A     20080709    CN 2007-10173705       20071228
                                             CN 2007-10173705       20071228
OS   CASREACT 149:200322; MARPAT 149:200322
AB   This invention provides an enantioselective process for the preparation of
     chiral β-bis-substituted aldehydes with general formula of
     R1CH[CH(CO2R2)2]CH2CHO [wherein R1 = 2-furyl, p-F-C6H4, o-Br-C6H4,
     p-NO2-C6H4, alkyl, or alkenyl; R2 = Me or Bn] comprising Michael addition of
     α,β-unsatd. aldehydes with malonates in the presence of (R)- or
     (S)-2-[diphenyl(trimethylsilyloxy)methyl]-pyrrolidine.  For example,
     (E)-4-fluorocinnamaldehyde was reacted di-Me malonate in water in the
     presence of (S)-catalyst to give di-Me
     2-[(1R)-1-(4-fluorophenyl)-3-oxopropyl]-malonate with 96% e.e. (67%).  The
     process has advantages of high yield and optical purity.  The
     compds. can be used as important intermediate for synthesizing new compds.
     and medicines.

L13  ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2010 ACS on STN
TI   Method for the production of optically active 3-alkylcarboxylic
     acids and their intermediates
AN   2005:1288812  CAPLUS
DN   144:36149
TI   Method for the production of optically active 3-alkylcarboxylic
     acids and their intermediates
IN   Sorger, Klas; Stohrer, Juergen
PA   Consortium Fuer Elektrochemische Industrie GmbH, Germany
SO   PCT Int. Appl., 52 pp.
     CODEN: PIXXD2
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   WO 2005115955        A1    20051208    WO 2005-EP52163        20050512
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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
             NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
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SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				DE 2004-102004025901A	20040527
DE	102004025901	A1	20051222	DE 2004-102004025901	20040527
EP	1748975	A1	20070207	EP 2005-748062	20050512
EP	1748975	B1	20080213		
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
				DE 2004-102004025901A	20040527
				WO 2005-EP52163 W	20050512
AT	386010	T	20080315	AT 2005-748062	20050512
				DE 2004-102004025901A	20040527
ES	2299036	T3	20080516	ES 2005-748062	20050512
				DE 2004-102004025901A	20040527
US	20070225519	A1	20070927	US 2007-569452	20070329
US	7534908	B2	20090519		
				DE 2004-102004025901A	20040527
				WO 2005-EP52163 W	20050512

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 144:36149; MARPAT 144:36149

AB An enantioselective method for producing optically active 3-alkylcarboxylic acids [e.g., (R)-3-methylheptanoic acid] comprises: (A) an optically active secondary alc. [e.g., (S)-2-hexanol] is transformed into an optically active, activated compound by introducing a terminal group; (B) the activated compound is reacted with a malonic acid derivative so as to obtain an optically active, alkylated malonic acid compound, the reaction taking place exclusively in the presence of one or several solvents selected from ethers or carboxylate esters and one or several aprotic polar solvents or alcs. being optionally added as a cosolvent at a maximum proportion of 30% of the total added solvent volume, provided that the added cosolvent is not hexamethyl phosphoric acid triamide; (C) the malonic acid compound [e.g., [(R)-1-methylpentyl]malonic acid di-Et ester] is saponified if necessary to obtain the corresponding acid; and (D) the corresponding acid [e.g., [(R)-1-methylpentyl]malonic acid] is finally decarboxylated.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

TI Preparation of optically-active N-benzyl-5,6-dehydro-3-methylpiperidones as drug intermediates

AN 1999:481301 CAPLUS

DN 131:129904

TI Preparation of optically-active N-benzyl-5,6-dehydro-3-methylpiperidones as drug intermediates

IN Kobayashi, Kaoru; Kusuda, Shinya

PA Ono Pharmaceutical Co., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 11209345	A	19990803	JP 1998-11035	19980123
			JP 1998-11035	19980123

OS CASREACT 131:129904; MARPAT 131:129904

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I [R = CH2C6H4OMe-4, CH2C6H3(OMe)2-3,4, CH2C6H4Ph-4, CPh3, CH2C6H4Cl-4, CH2Ph] or their isomers II, useful as intermediates for condensed piperidine compds. as NO synthase inhibitors, are prepared by dehydration of hydroxypiperidones III (R = same as above) or their isomers IV, resp. III or IV may be prepared by amidation of Me (R)-5-hydroxy-3-methylpentanoate or (R)-4-methyltetrahydro-2H-pyran-2-one, oxidative cyclization of the resulting (R)- or (S)-HOCH2CH2CHMeCH2CONHR (R = same as above), resp. Me (R)-5-hydroxy-3-methylpentanoate may be prepared by reducing Me (R)-3-methylglutarate. (R)-4-methyltetrahydro-2H-pyran-2-one may be prepared by conversion of Me (R)-3-methylglutarate to alkali metal salts, reduction of the salts, and lactonization. Me (R)-3-methylglutarate, prepared by treatment of di-Me 3-methylglutarate (preparation given) with porcine liver esterase, was treated with BH3.Me2S in THF at ≤10° for 15 min and then at 25-30° for 1 h to give 97% Me (R)-5-hydroxy-3-methylpentanoate. Me (R)-5-hydroxy-3-methylpentanoate was treated with 4-MeOC6H4CH2NH2 in toluene under reflux for 1.5 h, and after removing a part of toluene containing low-boiling matters, further refluxed for 2.5 h to give 100% (R)-N-(4-methoxybenzyl)-5-hydroxy-3-methylvaleramide. A DMSO solution of the amide was treated with Et3N and SO3-pyridine complex at 15-20° for 30 min to give III (R = CH2C6H4OMe-4), which was treated with p-MeC6H4SO3H in toluene under azeotropic removal of H2O to give 92.5% I (R = CH2C6H4OMe-4).

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

TI Asymmetric synthesis of steroids. XII. Synthesis of the optically active 7α(β),18-dimethyl-19-nortestosterone

AN 1986:186692 CAPLUS

DN 104:186692

OREF 104:29569a,29572a

TI Asymmetric synthesis of steroids. XII. Synthesis of the optically active 7α(β),18-dimethyl-19-nortestosterone

AU Zhuang, Zhiping; Zhou, Weishan

CS Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop. Rep. China

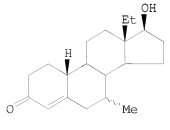
SO Huaxue Xuebao (1985), 43(8), 798-9
CODEN: HHHPA4; ISSN: 0567-7351

DT Journal

LA Chinese

OS CASREACT 104:186692

GI



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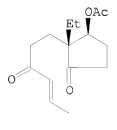

II

AB The title compds. (I) were prepared from oxohexenylcyclopentanone II via

Grignard reaction with m-MeOC6H4CH2Cl, cyclization, redns., and then hydrolysis. Thin-layer chromatog. separation of the mixture gave optically active 7α- and 7β-I.

L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
TI Stereoselective reactions. II. Asymmetric synthesis of β-substituted aldehydes by Michael reaction using chiral α,β-unsaturated aldimines
AN 1980:75775 CAPLUS
DN 92:75775
OREF 92:12475a,12478a
TI Stereoselective reactions. II. Asymmetric synthesis of β-substituted aldehydes by Michael reaction using chiral α,β-unsaturated aldimines
AU Hashimoto, Shunichi; Komeshima, Nobuyasu; Yamada, Shunichi; Koga, Kenji
CS Fac. Pharm. Sci., Univ. Tokyo, Tokyo, 113, Japan
SO Chemical & Pharmaceutical Bulletin (1979), 27(10), 2437-41
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
AB The Michael reaction of di-Et malonate with chiral MeCH:CHCH:NCHRCO2CMe3 (R = Me2CH, Me2CHCH2, Me3C), prepared from crotonaldehyde and optically active H2NCHRCO2CMe3 gave the corresponding OHCCH2CHMeCH(CO2Et)2 in reasonably high optical yields after hydrolysis. A proposed stereochem. mechanism of the reaction is presented.

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
TI Hydroformylation of some optically active olefins
AN 1975:85633 CAPLUS
DN 82:85633
OREF 82:13691a,13694a
TI Hydroformylation of some optically active olefins
AU Piacenti, F.; Bianchi, M.; Frediani, P.
CS Univ. Firenze, Florence, Italy
SO Advances in Chemistry Series (1974), 132(Homogeneous Catal.-2, Symp., 1973), 283-94
CODEN: ADCSAJ; ISSN: 0065-2393
DT Journal
LA English
AB The hydroformylation of several olefins in the presence of Co2(CO)8 under high CO pressure was examined (S)-5-methylheptanal (75%) and (S)-3-ethylhexanal (4.8%) were products from (+)(S)-4-methyl-2-hexene with optical yields of 94 and 72%, resp. The main products from (+)(S)-2,2,5-trimethyl-3-heptene were (S)-3-ethyl-6,6-dimethylheptanal (56.6%) and (R)-4,7,7-trimethyloctanal (41.2%) obtained with optical yields of 74 and 62%, resp. (R)(S)-3-ethyl-6,6-dimethylheptanal (3.5%) and (R)(S)-4,7,7-trimethyloctanal (93.5%) were formed from (R)(S)-3,6,6-trimethyl-1-heptene. (+)(S)-1-Phenyl-3-methyl-1-pentene, under oxo conditions, was almost completely hydrogenated to (+)(S)-1-phenyl-3-methylpentane with 100% optical yield. 3-(Methyl-d3)-1-butene-4,4,4-d3 gave 4-(methyl-d3)pentanal-5,5,5-d3 (92%), 2-methyl-3-(methyl-d3)butanal-4,4,4-d3 (3.7%), 3-(methyl-d3)pentanal-2,2,d2,3-d (4.3%) with practically 100% retention of D. The reaction mechanism was discussed.
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NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
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NEWS 23  FEB 16  INPADOCDB and INPAFAMDB Enriched with New Content
                 and Features
NEWS 24  FEB 16  INSPEC Adding Its Own IPC codes and Author's E-mail
                 Addresses

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             AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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